

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 322 024
A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 88202849.1

(51) Int. Cl.⁵: H03D 7/16, H03J 7/32

(22) Date of filing: 13.12.88

(30) Priority: 18.12.87 GB 8729515

(43) Date of publication of application:
28.06.89 Bulletin 89/26(84) Designated Contracting States:
DE FR GB IT SE(88) Date of deferred publication of the search report:
31.10.90 Bulletin 90/44(71) Applicant: PHILIPS ELECTRONIC AND
ASSOCIATED INDUSTRIES LIMITED
Philips House 188 Tottenham Court Road
London W1P 9LE(GB)

(84) GB

Applicant: N.V. Philips' Gloeilampenfabrieken
Groenewoudseweg 1

NL-5621 BA Eindhoven(NL)

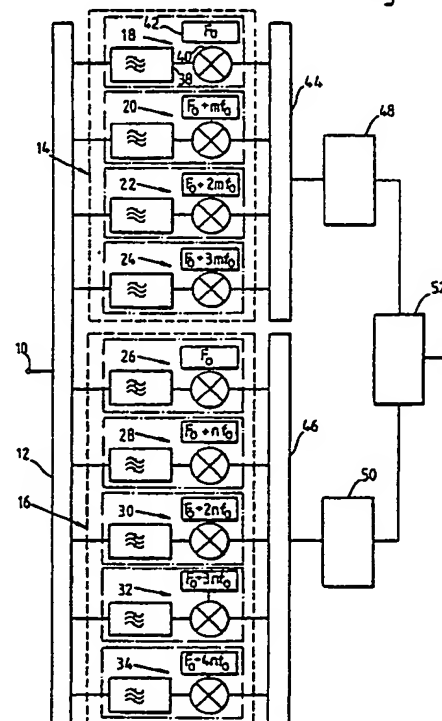
(84) DE FR IT SE

(72) Inventor: Dadds, Alan Frederick
c/o Philips Research Laboratories Cross Oak
Lane
Redhill Surrey RH1 5HA(GB)(74) Representative: Moody, Colin James et al
PHILIPS ELECTRONICS Patents and Trade
Marks Department Philips House 188
Tottenham Court Road
London W1P 9LE(GB)

(54) Signal receiving arrangement.

(57) A signal receiving arrangement comprising first and second groups (14, 16) of frequency down-converting stages (18 to 24 and 26 to 34), each stage including a mixer (40) and a local oscillator (42) for frequency down-converting a signal applied to the stages (18 to 24 and 26 to 34), the local oscillator frequencies of successive stages (18 to 24 and 26 to 34) being progressively higher with the frequency differences between correspondingly numbered stages in each group forming an arithmetic progression, wherein the frequency down-converted outputs of the stages of each group are combined and the pair of residue frequencies formed by mixing down the input signal are used to determine on the basis of the Chinese remainder theorem which stage in each group was operative on the input signal and thereby ascertain the actual frequency of the input signal.

Fig.1



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-4 137 497 (LOWENSCHUSS) * Column 1, line 23 - column 10, line 31; figures 1-7 * ---	1-3,6	H 03 D 7/16 H 03 J 7/32 G 01 R 23/14
A	US-A-2 525 679 (HURVITZ) * Column 2, line 3 - column 4, line 10; figure 1 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			H 03 D H 03 J G 01 R H 03 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24-08-1990	Examiner DHONDT I. E. E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	